

Annual Report

OF THE

Medical Officer of Health

TO THE


URBAN DISTRICT COUNCIL

OF

WELLINGBOROUGH,

for the year 1905.

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Annual Report

for the year 1905.



The Chairman of the Wellingborough Urban District Council.

Sir,

I beg to submit my Report for the year 1905, and am glad to state that it can be considered satisfactory.

The Population has increased. The Birth rate and Death rate are the lowest on record.

The number of inhabited houses in 1905 was 4551, an increase of 68 houses. This gives a Population of 20,480 calculating 4·5 persons per house.

In Table II. is shewn the last ten years Populations. There were 461 births registered, which gives a rate per 1,000 inhabitants of 22·5, of these 461 births 254 were boys and 207 girls.

The total number of deaths in the District was 225 giving a rate of 10·9, but without the non-residents there were 207 deaths, giving a rate of 10·1 only, which is the lowest yet recorded.

The number of deaths of children under one year of age was 54, giving a rate of 117·1. Fifteen of these deaths were from Premature Birth, and thirteen others were under one month, as shewn in Table V.

There were 82 deaths of persons over 65 years of age.

The deaths from Phthisis were less than last year, but those from Pneumonia and Bronchitis were slightly more. There were the same number of deaths from Cancer. The number of Fatal Accidents were the same as last year, but there were three cases of suicide.

There were two deaths from Enteric, one in March and the other in November; there was one from Diphtheria, one from Membranous croup, and one from Puerperal Fever.

There were 71 cases of Infectious Diseases notified, giving a rate of 3·4, viz. :—Scarlet Fever 18, Diphtheria 6, Enteric 12, Puerperal Fever 2, Croup 1, Erysipelas 32, but as Erysipelas is not infectious only contagious, and if we deducted the 32 notifications from the 71 returned, it leaves only 39 of the more serious infectious diseases and gives a rate of 1·9.

Of the 18 cases of Scarlet Fever, six were imported, five arose from defective drainage, since remedied, and the remainder the source of infection was untraceable.

Only 12 cases of Enteric were notified, a great decrease from last year. Of these, seven arose from direct infection, three from imperfect sanitary conditions in the personal surroundings of the patients, one from defective drainage, and for one there was no apparent cause. The cases were notified in February, March, September, October and November.

There were 6 cases of Diphtheria notified, two in April, one in June, two in July, one in November. Two were probably due to imperfect sanitary conditions, one from alteration of drainage system, and the three other cases nothing could be ascertained regarding the origin of infection.

The two cases of Puerperal Fever were carefully and thoroughly investigated and reported on, one occurred in February and one in August.

The thirty two cases of Erysipelas notified shews that this disease still preponderates over other diseases, nearly half the whole number.

There was a case of Anthrax in January, a woman at the Brush Factory, and a careful investigation was made. The cause was probably from the want of sufficient care in the personal surroundings of the patient, all due precautions having been taken by the Employers. This case was not fatal.

There was another case in April, which ended fatally at the Cottage Hospital. There was no connection between the cases, but nothing satisfactory could be ascertained about the cause.

The water supply is from the Public Service. In nature it is well water containing Lime and Iron free from pollution, being pumped from the wells, softened, filtered and stored in closed, locked reservoirs. There is a plentiful supply, but frequently has too much white sediment.

The drainage of the town is good, and the sewage is treated by Broad Irrigation at the sewage Farm, in a satisfactory manner.

The Slaughter houses have been visited regularly and the condition has been found good. The requirements have been attended to properly and there does not seem to be any necessity for alterations in the system.

The Dairies, Cowsheds and Milk Shops have all been under regular supervision and were generally satisfactory. The milk supply to the town is good.

The Isolation Hospital for Zymotic Diseases is in good and useful order. Seven cases received treatment there during the year, viz.:—Scarlet Fever 4 cases, in January, August and October; Typhoid 3 cases in October.

The Small Pox Hospital is situated a mile from the Town and quite isolated, it is in good order and always ready for use.

The requirements of the Factory and Workshops Act of 1901 have been duly carried out, and where notices have been served for improvements, they have been efficiently done. There were 300 Inspections of Workshops and Laundries, 20 of Workplaces and 10 Homeworker's Premises. The defects found were 32 want of cleanliness, 3 want of ventilation, 1 want of drainage of floors, 9 unsuitable sanitary accommodation. In all cases the defects were remedied. There were no prosecutions. Matters notified to H.M. Inspector of Factories, Failure to Affix Abstract of Factory and Workshops Act, 3; Underground Bakehouses in use at the end of 1905, 2; Homeworkers 14 Lists received, and 202 outworkers, 5 addresses forwarded to other Authorities, and 4 received from other authorities. One case of Infectious disease was notified in Homeworker's premises, and work was prohibited. Total number of Workshops on Register 160.

The Market has been visited each Market Day, and nothing was found unfit for food.

From regular and systematic Inspections of the district any defects as regards drainage, refuse accumulations, keeping animals, pigs, &c., to be a nuisance, bad and unsafe dwellings, notices have been served and defects remedied.

A register is kept of all the Dairies, Cowsheds and Milkshops, and they have been visited regularly.

Disinfection has been carried out thoroughly and efficiently by the Sanitary Inspector and a liberal amount of Disinfectants supplied to private houses when necessary.

House refuse is removed weekly and destroyed by incineration.

It will be seen by the foregoing Statements and by the Tables that the Birth rate is the lowest on record, but it is not confined to Wellingborough, for it will be noticed that the same thing is happening throughout the country. The Deaths of children under one year of age are lower, and of the 54 recorded, 15 were of Premature Birth. The Death rate is remarkably small, the lowest on record for the district, and without the 32 cases of Erysipelas the small number of Infectious diseases notified is very satisfactory. There has been no epidemic of any kind during the year.

After reading the averages given, it will be seen that the General Health and Sanitary state of the town is very satisfactory.

I beg to thank Mr. Madge, the Sanitary Inspector, for his valuable help and very efficient work.

I am, Sir,

Yours obediently,

WM. WAKE CLARK, M.D. &c.,

Medical Officer of Health,

Urban District of Wellingborough.

Table I. Vital Statistics of Whole District during 1905 and previous years.

YEAR.	Population estimated to Middle of each Year.	BIRTHS.		TOTAL DEATHS REGISTERED IN THE DISTRICT.					TOTAL DEATHS IN PUBLIC INSTITUTIONS IN THE DISTRICT	Deaths of Non-residents registered in Public Institutions in the District.	Deaths of Residents registered in Public Institutions beyond the District.	NETT DEATHS AT ALL AGES belonging to the District.	
		Number.	Rate.*	Under 1 Year of Age		At all Ages.						Number.	Rate.*
				Number.	Rate per 1,000 Births registered	Number.	Rate.*						
1	2	3	4	5	6	7	8	9	10	11	12	13	
1895	16,404	483	29	78	161·4	244	14·8						
1896	16,738	488	29	59	120·9	230	13·41						
1897	17,072	494	34·7	64	129·59	243	14·23						
1898	17,406	502	28·8	68	135·45	219	12·38						
1899	17,740	458	25·8	73	155·02	265	14·37						
1900	18,074	489	27	58	116·50	256	14·16	33	13		243	12·1	
1901	18,412	529	28·7	59	111·5	236	12·8	36	6		230	12·5	
1902	19,400	438	22·57	56	127·8	221	11·4	32	5		216	11·1	
1903	19,872	511	25·7	50	97·8	232	11·68	42	19		213	10·7	
1904	20,180	482	23·8	61	127·3	250	12·3	54	25		225	11·14	
Averages for years 1895-1904	18,129·8	487·4	27·5	62·6	128·3	239·6	13·15						
1905	20,480	461	22·5	54	117·1	225	10·9	32	18		207	10·1	

* Rates in Columns 4, 8, and 13 calculated per 1,000 of estimated population.

Area of District in acres
(exclusive of area covered by water).

3905.

At Census of 1901.

I. Institutions within the District receiving sick and infirm persons from outside the District.	II. Institutions outside the District receiving sick and infirm persons from the District.	III. Other Institutions, the deaths in which have been distributed among the several localities in the District.
<p>UNION WORKHOUSE</p> <p>COTTAGE HOSPITAL</p>		
Is the Union Workhouse within the District? YES.		

Table II. Vital Statistics of Separate Localities in 1905 and previous years.

Names of Localities.	1.				2.				3.				4.				5.				6.				7.			
	Population esti- mated to middle of each year.	Births registered.	Deaths at all ages	Deaths under 1 year.	Population esti- mated to middle of each year.	Births registered.	Deaths at all ages	Deaths under 1 year.	Population esti- mated to middle of each year.	Births registered.	Deaths at all ages	Deaths under 1 year.	Population esti- mated to middle of each year.	Births registered.	Deaths at all ages	Deaths under 1 year.	Population esti- mated to middle of each year.	Births registered.	Deaths at all ages	Deaths under 1 year.	Population esti- mated to middle of each year.	Births registered.	Deaths at all ages	Deaths under 1 year.				
YEAR.	1895	16,404	483	244	78																							
	1896	16,738	488	230	59																							
	1897	17,072	494	243	64																							
	1898	17,406	502	219	68																							
	1899	17,740	458	265	73																							
	1900	18,074	489	256	58																							
	1901	18,412	529	236	59																							
	1902	19,400	438	216	58																							
	1903	19,872	511	213	50																							
	1904	20,180	482	225	61																							
Averages of Years 1895 to 1904	18,129.8	487.4	234.7	62.8																								
1905	20,480	461	207	54																								

Table III. Cases of Infectious Disease notified during the Year 1905.

NOTIFIABLE DISEASE.	CASES NOTIFIED IN WHOLE DISTRICT.						TOTAL CASES NOTIFIED IN EACH LOCALITY.							NO. OF CASES REMOVED TO HOSPITAL FROM EACH LOCALITY						
	At all ages.	At Ages—Years.					1	2	3	4	5	6	7	1	2	3	4	5	6	7
		Under 1	1 to 5.	5 to 15.	15 to 25.	25 to 65.														
		65 and upwards																		
Small-pox																				
Cholera																				
Diphtheria.....	6		2	2	1	1														
Membranous croup ...	1	1																		
Erysipelas	32	1	1	1	1	28														
Scarlet fever	18	1	6	5	5	1														
Typhus fever																				
Enteric fever	12		3	1	3	5														
Relapsing fever... ..																				
Continued fever																				
Puerperal fever	2					2														
Plague																				
Totals - - -	71	2	13	9	10	37														

Table IV.

Causes of, and Ages at, Death during Year 1905.

CAUSES OF DEATH. 1	Deaths at the subjoined ages of "Residents" whether occurring in or beyond the District.							Deaths at all ages of "Residents" belonging to Localities, whether occurring in or beyond the District.							Total Deaths whether of Residents or non Residents in Public Institutions in the District. 16
	All ages. 2	Under 1 year. 3	1 and under 5. 4	5 and under 15. 5	15 and under 25. 6	25 and under 65. 7	65 and upwards. 8	9	10	11	12	13	14	15	
Small-pox															
Measles															
Scarlet fever															
Whooping-cough	5	3	2												
Diphtheria and mem- branous croup	1		1												
Croup															
Fever { Typhus															
{ Enteric	2			1		1									1
{ Other continued															
Epidemic influenza ...															
Cholera															
Plague															
Diarrhœa (<i>See notes</i> on next page)	6	6													
Enteritis <i>do.</i>	7	6	1												
Puerperal fever <i>do.</i>	1				1										
Erysipelas															
Other septic diseases ..															
Phthisis (Pulmonary Tuberculosis)	14			1	6	7									1
Other tubercular diseases															
Cancer, malignant di- sease (<i>See notes</i> on next page)	16					9	7								
Bronchitis	17	3				5	9								1
Pneumonia	18	4	9			5									2
Pleurisy															
Other diseases of Res- piratory organs															
Alcoholism } Cirrhosis of liver }															
Venereal diseases															
Premature birth	15	15													
Diseases and accidents of parturition	2					2									
Heart diseases	16		1	1	1	7	6								4
Accidents	5	2		1		1	1								1
Suicides	3					2	1								
Senile decay	28						28								14
Congenital Defects ...	1	1													
Want of Breast Milk ...	1	1													
Marasmus, etc.	9	9													
Meningitis	1	1													
Convulsions	1	1													
Anthrax	1					1									1
All other causes	37	2	2	4	3	13	13								7
All causes	207	54	16	8	11	53	65								32

For notes on this Table see next page.

Notes referring to Table IV.

- (a) In this Table all deaths of "Residents" occurring in public institutions, whether within or without the district, are to be *included* with the other deaths in the columns for the several age groups (columns 2-8). They are also, in column 9-15, to be *included* among the deaths in their respective "Localities" according to the previous addresses of the deceased as given by the Registrars. Deaths of "Non-residents" occurring in public institutions in the district are in like manner to be *excluded* from columns 2-8 and 9-15 of this Table.
- (b) See notes on Table I. as to the meaning of "Residents" and "Non-residents," and as to the "Public Institutions" to be taken into account for the purposes of these Tables. The "Localities" should be the same as those in Tables II. & III.
- (c) All deaths occurring in public institutions situated within the district, whether of "Residents" or of "Non-residents," are, in addition to being dealt with as in note (a), to be entered in the last column of this Table. The total number in this column should equal the figures for the year in column 9, Table I.
- (d) The total deaths in the several "Localities" in columns 9-15 of this Table should equal those for the year in the same localities in Table II., sub-columns c. The total deaths at all ages in column 2 of this Table should equal the gross total of columns 9-15, and the figures for the year in column 12 of Table I.
- (e) Under the heading of "Diarrhœa" are to be included deaths certified as from diarrhœa, alone or in combination with some other cause of ill-defined nature; and also deaths certified as from

Epidemic enteritis;
 Zymotic enteritis;
 Epidemic diarrhœa. Summer diarrhœa;
 Dysentery and dysenteric diarrhœa;
 Choleraic diarrhœa, cholera, cholera nostras
 (in the absence of Asiatic cholera).

Under the heading of "Enteritis" are to be included those certified as from Gastro-enteritis, Muco-enteritis, and Gastric catarrh, unless from information obtained by enquiry from the certifying practitioner or otherwise, the Medical Officer of Health should have reason for including such deaths, especially those of infants, under the specific term "Diarrhœa." Deaths from diarrhœa secondary to some other well-defined disease should be included under the latter.

Under the headings of "Cancer," and "Puerperal fever" should be included all registered deaths from causes comprised within these general terms.

In recording the facts under the various headings of Tables I., II., III. and IV., attention has been given to the notes on the Tables.

WM. WAKE CLARK, M.D.,

Medical Officer of Health.

Feb. 6th, 1906.

Table V. Infantile Mortality during the year 1905.

DEATHS FROM STATED CAUSES IN WEEKS AND MONTHS UNDER ONE YEAR OF AGE.

CAUSE OF DEATH.		Under 1 Week	1-2 Weeks	2-3 Weeks	3-4 Weeks	Total under 1 Month	1-2 Months	2-3 Months	3-4 Months	4-5 Months	5-6 Months	6-7 Months	7-8 Months	8-9 Months	9-10 Months	10-11 Months	11-12 Months	Total Deaths under One Year.
All Causes.	Certified	19	3	3	3	28	4	4	2	7	2	2	3	1	1			54
	Uncertified																	
Common Infectious Diseases.	Small-pox																	3
	Chicken-pox																	
	Measles																	
	Scarlet Fever																	
	Diphtheria : Croop										2			1				
Diarrheal Diseases.	Whooping Cough																	6
	Diarrhœa, all forms							2				2	1		1			
	Enteritis																	
	(not Tuberculous) }			1	1	2			1	2			1					
Wasting Diseases.	Gastritis, Gostro-intestinal Catarrh }																	9
	Premature Birth	15				15												
	Congenital Defects.....	1				1												
	Injury at Birth																	
	Want of Breast-milk				1	1												
Tuberculous Diseases.	Atrophy, Debility, Marasmus }	2			1	3	2	1	1	2								1
	Tuberculous Meningitis...																	
	Tuberculous Peritonitis: } Tabes Mesenterica }																	
	Other Tuberculous Diseases }																	
	Erysipelas																	
	Syphilis																	
	Rickets																	
	Meningitis (not Tuberculous) }		1			1												
	Convulsions	1				1												
	Bronchitis									2				1				
	Laryngitis																	
	Pneumonia		1	2		3	1											
	Suffocation, overlaying ...						1			1								
	Other causes		1			1		1										
		19	3	3	3	28	4	4	2	7	2	2	2	2	1			54

DISTRICT OF WELLINGBOROUGH.

Births in the year { legitimate 437.
 illegitimate 24.

Population estimated to middle
 of 1905—20,480.

Deaths from all Causes at all ages--207. Non-residents—18. Total—225.

FACTORIES, WORKSHOPS, LAUNDRIES, WORKPLACES and HOMEWORK.

1.—INSPECTION.

Including Inspections made by Sanitary Inspectors or Inspectors of Nuisances.

Premises.	Number of		
	Inspections.	Written Notices.	Prosecutions.
Factories (Including Factory Laundries.)			
Workshops (Including Workshop Laundries.)	300	26	
Workplaces	20	4	
Homeworkers' Premises	10		
Total	330	30	

2.—DEFECTS FOUND.

Particulars.	Number of Defects.			Number of Prosecutions.
	Found.	Remedied	Referred to H.M. Inspector.	
<i>Nuisances under the Public Health Acts :—*</i>				
Want of cleanliness	32	32		
Want of ventilation	3	3		
Overcrowding				
Want of drainage of floors	1	1		
Other nuisances				
Sanitary accommodations {	insufficient	2	2	
	unsuitable or defective	6	6	
	not separate for sexes	1	1	
<i>Offences under the Factory and Workshop Act :—</i>				
Illegal occupation of underground bakehouse (s. 101)				
Breach of special sanitary requirements for bakehouses (ss. 97 to 100)				
Failure as regards lists of outworkers (s. 107)				
Giving out work to {	unwholesome (s. 108)			
be done in prem- {	infected (s. 110)			
which are				
Allowing wearing apparel to be made in premises infected by scarlet fever or small-pox (s. 109)				
Other offences				
Total	45	45		

* Including those specified in sections 2, 3, 7 and 8, of the Factory Act as remediable under the Public Health Acts.

3.—OTHER MATTERS.

Class.										Number.			
Matters notified to H.M. Inspectors of Factories :—													
Failure to affix Abstract of the Factory & Workshop Act (s. 133) ...										3			
Action taken in matters referred by H.M. Inspectors as remediable under the Public Health Acts, but not under the Factory Act (s. 5)										2			
Notified by H.M. Inspectors										2			
Reports (of action taken) sent to H.M. Inspectors.													
Other													
Underground Bakehouses (s. 101) :—													
Certificates granted during the year													
In use at the end of the year										2			
										Number of			
Homework :—													
<i>List of Outworkers</i> (s. 107) :—										Lists		Out-workers	
Lists received										14		202	
Addresses of outworkers										5			
forwarded to other Authorities ...										4			
received from other Authorities ...													
<i>Homework in unwholesome or infected premises :—</i>										Wearing Apparel ;		Other	
Notices prohibiting homework in unwholesome premises (s. 108)													
Cases of infectious disease notified in homeworkers' premises ...										1			
Orders prohibiting homework in infected premises (s. 110) ...										1			
Workshops on the Register (s. 131) at the end of the year										160			
Important classes of workshop-shops, such as workshop-bakehouses may be enumerated here.													
Total number of workshops on Register										160			

WM. W. CLARK, M.D.,

February 1st, 1906.

Medical Officer of Health.

